

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/12090

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F1/00 H04L29/06 H04L12/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | WO 03 010922 A (WORLDCOM INC) 6 February 2003 (2003-02-06) abstract paragraph '0033! - paragraph '0037! ---- | 1-36 |
| A | US 6 408 391 B1 (HUFF JULIE LYNN ET AL) 18 June 2002 (2002-06-18) abstract column 11, line 22 - line 45 ---- | 1-36 |
| A | EP 0 743 777 A (SUN MICROSYSTEMS INC) 20 November 1996 (1996-11-20) column 3, line 33 -column 5, line 36 column 9, line 32 -column 10, line 22 ----- | 1-36 |

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

19 March 2004

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16/04/2004

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Information on patent family members

International Application No

PCT/EP 03/12090

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| WO 03010922 | A | 06-02-2003 | WO 03010922 A1 | 06-02-2003 |
| US 6408391 | B1 | 18-06-2002 | AU 3768899 A | 23-11-1999 |
| | | | CA 2331566 A1 | 11-11-1999 |
| | | | GB 2353885 A ,B | 07-03-2001 |
| | | | GB 2381353 A ,B | 30-04-2003 |
| | | | GB 2381911 A ,B | 14-05-2003 |
| | | | WO 9957625 A1 | 11-11-1999 |
| EP 0743777 | A | 20-11-1996 | US 5802320 A | 01-09-1998 |
| | | | EP 0743777 A2 | 20-11-1996 |
| | | | JP 9224053 A | 26-08-1997 |
| | | | SG 73981 A1 | 18-07-2000 |
| | | | US 5884025 A | 16-03-1999 |
| | | | US 5878231 A | 02-03-1999 |